



PATENT  
0508-1158

IFW

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Franck ZAL et al.

Conf.: Unassigned as yet

Application No.: 10/575,628

Group: Unassigned as yet

Filed: April 13, 2006

Examiner: Unassigned as yet

For: METHOD FOR THE DISSOCIATION OF THE EXTRACELLULAR  
HAEMOGLOBIN MOLECULE OF  $\langle \mathbf{I} \rangle \langle / \mathbf{I} \rangle$  AND THE CHARACTERISATION  
OF THE PROTEIN CHAINS FORMING THE MOLECULE AND THE  
NUCLEOTIDE SEQUENCES CODING FOR SAID PROTEIN CHAINS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 19, 2006

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the accompanying documents, copies of which are attached to this statement, are made of record on the enclosed Form PTO-1449.

A concise explanation of the relevance of these items is that these references were cited in the corresponding International Application Serial No. PCT/FR2004/002602, filed October 13, 2004.

Under the provisions of 37 CFR 1.97(e), the undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this Statement.

Respectfully submitted,

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RJP/sj

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M./

(Use several sheets if necessary)

Application No.:  
**10/575.628**

Applicant:  
**Franck ZAL et al.**

Filing Date:  
**April 13, 2006**

Group Art Unit: 1656  
**Unassigned**

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|--------|----|--|
| /M.M./ | 1. | "Molecular Shape, Dissociation, and Oxygen Binding of The Dodecamer Subunit of Lumbricus terrestris Hemoglobin", Angelica Krebs et al., Journal of Biological Chemistry, Vol. 271, No. 31, 1996 pp. 18695-18704, XP002272714.                        |
| /M.M./ | 2. | "The Role of the Dodecamer Subunit in the Dissociation and Reassembly of the Hexagonal Bilayer Structure of Lumbricus terrestris Hemoglobin," Pawan K. Sharma et al., Journal of Biological Chemistry, Vol. 271, No. 15, pp. 8754-8762, XP002272715. |
| /M.M./ | 3. | "The Extracellular Hemoglobin of the Earthworm, Lumbricus terrestris," Kenzo Fushitani et al., Journal of Biological Chemistry, Vol. 266, No. 16, 1991, pp. 10275-10281, XP002272716.  |
| /M.M./ | 4. | "Invertebrate Oxygen Carriers," J. Sgouros et al., 1986, XP009026675.  |
| /M.M./ | 5. | "Quaternary Structure of the Extracellular Hemoglobin of the Lugworm Arenicola Marina," Chemabs, XP002165190.  |
| /M.M./ | 6. | "Molecular Architecture of Annelid Erythrocrurins", Vol. 105, pp. 131-138, XP009026718.  |

EXAMINER:

/Maryam Monshipouri/

DATE CONSIDERED

09/23/2009

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* Abstract provided for the Examiner's convenience

Y&T May 27, 2005

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M./